

Recombinant Human Myosin, Light Chain 7, Regulatory, His-tagged

Cat. No. MYL7-6780H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanMYL7 protein, fused to His-tag at N-terminus, was expressed in E.coli andpurified by using conventional chromatography.
Species	Human
Source	E.coli
Description	MYL7 protein is aatrial isoform of myosin regulatory light chain 2(MYL2). Myosin is an hexamerof 2 heavy chains and 4 light chains. MYL7 is predominantly expressed inadult atrial muscle
Form	20mM Tris-HCl buffer(pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT
Molecular Weight	22.0 kDa (199aa),confirmed by MALDI-TOF
Purity	> 90% by SDS -PAGE
Concentration	0.5 mg/ml(determined by Bradford assay)
Sequences of aminoacids	MGSSHHHHHSSGLVPRGSH MGSHMASRKA GTRGKVAATK QAQRGSSNVF SMFEQAQIQE FKEAFSCIDQ NRDGIICKADLRETYSQLGK VSVPEEELDA MLQEGKGPIIN FTVFLTLFGE KLNGTDPEEA ILSAFRMFDP SGKGVVNKDEFKQLLLTQAD KFSPAEEVEQM FALTPMDLAG NIDYKSLCYI ITHGDEKEE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

MYL7 myosin, light chain 7, regulatory [Homo sapiens]

Official Symbol

MYL7

Synonyms

MYL7; myosin, light chain 7, regulatory; myosin, light polypeptide 7, regulatory; myosin regulatory lightchain 2, atrial isoform; MYL2A; MYLC2A; atrial isoform; MLC-2a; MLC2a; MLRA_HUMAN; MYL7; Mylc2a; Myosin light chain 2a; Myosin regulatory lightchain 2; Myosin regulatory light chain 2, atrial isoform; Myosin regulatory light chain 7; MLC2a; MLC-2a; myosin light chain 2a; myosin regulatory lightchain 7

Gene ID

58498

mRNA Refseq

NM_021223

Protein Refseq

NP_067046

MIM

613993

Uniprot ID

Q01449

Chromosome Location

7p21-p11.2

Pathway

Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem; Leukocyte transendothelial migration, organism-specific biosystem; Leukocyte transendothelial migration, conserved biosystem; Regulation of actin cytoskeleton,

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

organism-specific biosystem

Function

ATPase activity, coupled; calcium ion binding; microfilament motor activity

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA